

DERWENT-ACC-NO: 1973-52980U
DERWENT-WEEK: 197337
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TITLE: Polyurethane textile finishing agents - giving
antistatic props and
wrinkle resistance

PATENT-ASSIGNEE: ASAHI CHEM IND CO LTD[ASAH]

PRIORITY-DATA: 1971JP-0074621 (September 27, 1971)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE
PAGES	MAIN-IPC	
JP 48041092 A		N/A
000	N/A	

ABSTRACTED-PUB-NO: JP 48041092A
BASIC-ABSTRACT: Synthetic fibres and their products are
modified by treating
with a stable emulsion of hydrophilic polyurethane contg.
poly(ethylene oxide)
units of mol. wt. 600-2500. In an example a prepolymer
derived from
poly(ethylene adipate) of mol. wt. 1500, 150, polyethylene
glycol of mol. wt.
900, 22.5, diphenylmethane 4,4'-diisocyanate 48g was mixed
with benzene 44.1, a
sulphosuccinate-type surfactant 3.3, and a nonionic
surfactant 3.3g and the
mixt. was dispersed in 1930 g water contg. 3.3g
sulphosuccinate-type
surfactant. A wet nylon cloth contg. 100% water was
immersed in the 3% solids
emulsion and dried for 30 min. at 80 degrees to 4.0%
pickup. The treated cloth
had vol. resistivity <109 ohm-cm and wrinkle resistance
(JIS L 1041-60) >80%
compared with >1012 and 10-30% for a similar untreated
cloth. Acrylic and
polyester textiles were similarly treated.

TITLE-TERMS:

POLYURETHANE TEXTILE FINISH AGENT ANTISTATIC PROP WRINKLE
RESISTANCE

DERWENT-CLASS: A25 A87 F06

CPI-CODES: A05-G01E1; A08-S04; A12-G; A12-G02; A12-S05M;
F03-C04; F03-C05;

Multipunch Codes: 012 028 038 04- 072 074 076 141 143 144
150 155 157 160 169
170 171 198 209 210 239 240 311 318 321 336 344 346 397 423
431 436 440 477 481
483 506 511 532 533 535 541 542 575 583 589 688 720